



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Tominari NOMURA, et al.

Appln. No.: 09/981,898

Confirmation No.: 7310

Filed: November 19, 2001

Docket No: Q66830

Group Art Unit: 2643

Examiner: Not assigned

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For: CONCENTRATED MAINTENANCE MANAGEMENT METHOD AND CONCENTRATED  
MAINTENANCE MANAGEMENT SYSTEM FOR  
PORTABLE TELEPHONE SYSTEM UTILIZING THE INTERNET

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. NTT Customer Systems Department, "Custom, Targeting Improved Service and Increased Operational Efficiency," Business Communications, Japan, Business Communications Company, LTD., October 1, 1995, Vol. 32 No. 10, pages 37-54.
2. Takuya Yamahira, Yoshiaki Ozawa, Kazuyuki Kawashima, Fumio Sakata, "Network Failure Analysis Expert System EXNETS," NEC Technical Reports, Japan, NEC Cultural Center, LTD., May 15, 1992, Vol. 45, No.4, pages 49-55.
3. Japanese Unexamined Patent Application Publication No. H07-28781, published January 31, 1995.

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4. Japanese Unexamined Patent Application Publication No. H10-124477, published May 15, 1998.
  5. Japanese Unexamined Patent Application Publication No. H07-93046, published April 7, 1995.
  6. Yasuo Takahashi, Keisuke Hara, "Towards an After Service Support System in Order to Improve Customer Satisfaction," Data Processing, Japan, Data Processing Institute, LTD., May 15, 1998, Vol. 39, No. 5, pages 472-475.
  7. Shoji Kogasawara, Seiji Matsuo, Nobuyuki Moribe, Toshinori Uji, Mari Sato, "Structuring a Field Data Feedback System to a Design Department," Institute of Electronic, Information and Communications Engineers Technology Research Reports, Japan, Institute of Electronic Information and Communications Engineers, LTD., September 26, 1997, Vol. 97, No. 280, pages 31-36.
  8. Hidekazu Ueda, "Equipment Maintenance Control System Using a Workstation," Keiso, Japan, Industrial Engineer, April 1, 1994, Vol. 37, No. 4, pages 56-60.
  9. Itsuro Aoki and Katsushige Onodera, "Preventative Maintenance Engineering System for a Thermal Power Station," Hitachi Review, Japan, Hitachi Review Company, December 1, 1993, Vol. 75, No. 12, pages 9-12.
  10. Tetsuji Oishi, Constructing a Sales/Service Information Network and a Data Warehouse in Home Electronics," Institute of Electrical Engineers Research Association Materials (Industrial Systems Information Research Committee), Japan Institute of Electrical Engineers, LTD., January 30, 1998, Vol. 98-10/22, pages 53-58.
- One copy of each of the listed documents is submitted herewith.

INFORMATION DISCLOSURE STATEMENT  
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The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a corresponding Japanese Office Action dated May 11, 2004 and an English translation of the pertinent portions thereof which cites such documents and indicates the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: July 12, 2004

Respectfully submitted,

  
Howard L. Bernstein  
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Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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*Complete if Known*

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Confirmation Number	7310
Filing Date	November 19, 2001
First Named Inventor	Tominari NOMURA
Art Unit	2643
Examiner Name	Not assigned
Attorney Docket Number	Q66830

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	H07-28781	A	01-31-1995		No
		JP	H10-124477	A	05-15-1998		No
		JP	H07-93046	A	04-07-1995		No

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		NTT Customer Systems Department, "Custom, Targeting Improved Service and Increased Operational Efficiency," Business Communications, Japan, Business Communications Company, LTD., October 1, 1995, Vol. 32 No. 10, pages 37-54.	No
		Takuya Yamahira, Yoshiaki Ozawa, Kazuyuki Kawashima, Fumio Sakata, "Network Failure Analysis Expert System EXNETS," NEC Technical Reports, Japan, NEC Cultural Center, LTD., May 15, 1992, Vol. 45, No.4, pages 49-55.	No
		Yasuo Takahashi, Keisire Hara, "Towards an After Service Support System in Order to Improve Customer Satisfaction," Data Processing, Japan, Data Processing Institute, LTD., May 15, 1998, Vol. 39, No. 5, pages 472-475.	No
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Examiner Signature

Date Considered

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.